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CLAIMS

1. (Currently Amended) A method of ~~using a reforming diesel fuel reforming strategy~~, comprising:
supplying a liquid fuel consisting essentially of diesel fuel to a fractional distillation device in fluid communication with a reformer, ~~wherein the diesel fuel consists essentially of compounds having a carbon number of about C₈ to about C₂₀~~;
fractionally distilling said diesel fuel to produce a light fuel stream and a heavy fuel stream; and
reforming said light fuel stream in said reformer to produce a reformat.
2. (Original) The method of Claim 1, further comprising burning said heavy fuel stream in a burner to generate thermal energy.
3. (Previously presented) The method of Claim 19, wherein said reformer comprises a steam reformer.
- 4 - 17. (Cancelled)
18. (Previously presented) The method of Claim 1, wherein said diesel fuel comprises hydro-treated diesel fuel.
19. (Previously presented) The method of Claim 1, wherein said reformer comprises an endothermic reformer.
- 20-25. (Cancelled)
26. (Previously presented) The method of Claim 1, further comprising utilizing the reformat in a solid oxide fuel cell to produce electricity.

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27. (Previously Presented) The method of Claim 1, wherein said reformatate comprises synthesis gas.

28. (Currently Amended) A method of reforming using a diesel fuel ~~reforming strategy~~, comprising:

supplying diesel fuel to a fractional distillation device in fluid communication with a reformer;

fractionally distilling said diesel fuel to produce a light fuel stream and a heavy fuel stream; and

reforming said light fuel stream in said reformer to produce synthesis gas.

29. (Previously presented) The method of Claim 28, further comprising burning said heavy fuel stream in a burner to generate thermal energy.

30. (Previously presented) The method of Claim 28, wherein said diesel fuel comprises hydro-treated diesel fuel.

31. (Previously presented) The method of Claim 28, wherein said reformer comprises an endothermic reformer.

32. (Previously presented) The method of Claim 31, wherein said reformer comprises a steam reformer.

33. (Previously presented) The method of Claim 28, further comprising utilizing the synthesis gas in a solid oxide fuel cell to produce electricity.

34. (New) The method of Claim 1, wherein the light fuel stream comprises compounds having a carbon number of less than about C₁₄, and wherein the heavy fuel stream comprises compounds having a carbon number of greater than about C₁₅.

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35. (New) The method of Claim 2, using the thermal energy in a vehicle component.
36. (New) The method of Claim 35, wherein the vehicle component is the reformer.
37. (New) The method of Claim 28, wherein the light fuel stream comprises compounds having a carbon number of less than about C_{14} , and wherein the heavy fuel stream comprises compounds having a carbon number of greater than about C_{15} .
38. (New) The method of Claim 29, using the thermal energy in a vehicle component.
39. (New) The method of Claim 38, wherein the vehicle component is the reformer.